

**T**HE CATALOG has been prepared primarily for the student interested in either full-time or part-time study in the Graduate School. Other available publications regarding Schools and Colleges of The American University are:

**College of Arts and Sciences.** *Degrees offered:* Associate in Arts; Bachelor of Arts; Bachelor of Science; Master of Arts (anthropology, art, economics, education, English, French, German, history, journalism, linguistics, mathematics, music, philosophy, psychology, public relations, religion, Russian, sociology, Spanish, speech arts, statistics); Master of Science (biology, chemistry, earth sciences, physics, science teaching); Master of Education. (Doctorates offered through the Graduate School.)

**School of Business Administration.** *Degrees offered:* Associate in Business Administration; Bachelor of Science in Business Administration; Master of Business Administration. (Doctorate offered through the Graduate School.)

**School of Government and Public Administration.** *Degrees offered:* Associate in Arts; Associate in Public Administration; Bachelor of Arts in Government; Bachelor of Science in Public Administration; Master of Arts (government, public administration). (Doctorates offered through the Graduate School.)

**School of International Service.** *Degrees offered:* Bachelor of Arts; Master of Arts (international relations and organization, area studies); Master of International Service. (Doctorates offered through the Graduate School.)

**The Washington College of Law.** *Degree offered:* Bachelor of Laws

**Division of General and Special Studies.** *Degree offered:* Bachelor of Science in General Studies. Also non-degree division of the University.

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**General Information Bulletin.** Published annually, this Bulletin provides important supplemental information on a University-wide basis and should be used in conjunction with each School Catalog.

**Wesley Theological Seminary.** The Seminary is affiliated with the University and located on its campus. *Degrees offered:* Bachelor of Sacred Theology; Master of Sacred Theology; Master of Religious Education.

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For complete information and appropriate catalog concerning each college or school of the university, phone, write or visit:

**Office of Admissions  
The American University  
Washington D. C. 20016  
Telephone: 244-6800**

For additional offerings and degrees at the graduate level in Washington, see the catalogs of The Catholic University of America, The George Washington University, Georgetown University and Howard University.

THE  
American University  
BULLETIN



GRADUATE SCHOOL

Catalog 1964-1966

Volume 40

Number 6

March 1964

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# ACADEMIC CALENDAR

## 1964 Spring Session

- Thursday-Saturday, January 30-February 1—Registration  
Monday, February 3—Spring session begins  
Monday, February 10—Last day for application for Spring comprehensive examinations for advanced degrees  
Monday, February 24—Founder's Day, not a holiday  
Monday, March 2—Last day for approval by the Graduate Dean of dissertation topic proposals of candidates for doctoral degrees at the 1965 Commencement  
Friday, March 13—Last day for submission of completed examination committee copies of dissertations, theses and case studies by applicants for advanced degrees at 1964 Commencement  
Sunday, March 22-Sunday, March 29—Spring vacation  
Tuesday, April 14-Monday, April 27—Spring comprehensive examinations  
Friday, April 24—Last day for oral examination of candidates for advanced degrees at 1964 Commencement  
Friday, May 15—Last day for filing of committee-signed copies of dissertations, theses, and case studies by candidates for advanced degrees at 1964 Commencement  
Saturday, May 30—Memorial Day holiday  
Sunday, June 7—Fiftieth annual Commencement: Spring session ends

## 1964 Fall Session

- Thursday-Saturday, September 17-19—Registration  
Monday, September 21—Fall session begins  
Thursday, October 1—Last day for application for Fall comprehensive examinations for advanced degrees  
Monday, November 2—Last day for application for all degrees to be awarded at 1965 Commencement  
Wednesday, November 11—Veterans' Day—not a holiday  
Thursday-Sunday, November 26-29—Thanksgiving holidays  
Tuesday, December 1-Monday, December 14—Fall comprehensive examinations  
Tuesday, December 15—Last day for approval of thesis topic proposals for candidates for Master's degree at 1965 Commencement  
Sunday, December 20-Sunday, January 3—Christmas holidays  
Friday, January 15—Last day for submission to deans and department chairmen of dissertation topic proposals by candidates for doctoral degree at 1966 Commencement  
Saturday, January 30—Fall session ends

*The American University Bulletin is published by The American University, Massachusetts and Nebraska Avenues, Northwest, Washington, D.C., monthly except in the month of July. Second class postage paid at Washington, D.C. Volume 40, Number 6, March, 1964.*

## **1965 Spring Session**

- Thursday-Saturday, February 4-6—Registration  
Monday, February 8—Spring session begins  
Monday, February 15—Last day for application for Spring comprehensive examinations for advanced degrees  
Monday, February 22—Washington's Birthday holiday  
Wednesday, February 24—Founder's Day—not a holiday  
Monday, March 1—Last day for approval by the Graduate Dean of dissertation topic proposals of candidates for doctoral degrees at the 1966 Commencement  
Monday, March 15—Last day for submission of completed examination committee copies of dissertations, theses and case studies by applicants for advanced degrees at 1965 Commencement  
Sunday-Sunday, April 11-18—Spring vacation  
Tuesday, April 20-Monday, May 3—Spring comprehensive examinations  
Friday, April 23—Last day for oral examination of candidates for advanced degrees at 1965 Commencement  
Monday, May 17—Last day for filing of committee-signed copies of dissertations, theses and case studies by candidates for advanced degrees at 1965 Commencement  
Sunday, June 13—Fifty-first annual Commencement; Spring session ends

## **1965 Fall Session**

- Thursday-Saturday, September 16-18—Registration  
Monday, September 20—Classes begin  
Friday, October 1—Last day for application for Fall comprehensive examinations for advanced degrees  
Monday, November 1—Last day for application for all degrees to be awarded at 1966 Commencement  
Thursday, November 11—Veterans' Day—not a holiday  
Thursday-Sunday, November 25-28—Thanksgiving holidays  
Tuesday, November 30-Monday, December 13—Fall comprehensive examinations  
Wednesday, December 15—Last day for approval of thesis topic proposals for candidates for Master's degree at 1966 Commencement  
Monday, January 17—Last day for submission to deans and department chairmen of dissertation topic proposals by candidates for doctoral degrees at 1967 Commencement  
Saturday, January 29—Fall session ends

## **1966 Spring Session**

Thursday-Saturday, February 3-5—Registration

Monday, February 7—Spring session begins

Monday, February 14—Last day for application for Spring comprehensive examinations for advanced degrees

Tuesday, February 22—Washington's Birthday holiday

Thursday, February 24—Founder's Day—not a holiday

Tuesday, March 1—Last day for approval by the Graduate Dean of dissertation topic proposals of candidates for doctoral degrees at the 1967 Commencement

Tuesday, March 15—Last day for submission of completed examination committee copies of dissertations, theses and case studies by applicants for advanced degrees at the 1966 Commencement

Sunday-Sunday, April 3-10—Spring vacation

Tuesday, April 19-Monday, May 2—Spring comprehensive examinations

Monday, April 25—Last day for oral examination of candidates for advanced degrees at the 1966 Commencement

Monday, May 16—Last day for filing of committee-signed copies of dissertations, theses and case studies by candidates for advanced degrees at the 1966 Commencement

Monday, May 30—Memorial Day holiday

Sunday, June 12—Fifty-second annual Commencement; Spring session ends

## **1966 Fall Session**

Thursday-Saturday, September 15-17—Registration

Monday, September 19—Fall session begins

Monday, October 3—Last day for application for Fall comprehensive examinations for advanced degrees

Tuesday, November 1—Last day for application for all degrees to be awarded at the 1967 Commencement

Friday, November 11—Veterans' Day—not a holiday

Thursday-Sunday, November 24-27—Thanksgiving holidays

Tuesday, November 29-Monday, December 12—Fall comprehensive examinations

Tuesday, December 15—Last day for approval of thesis topic proposals for candidates for Master's degree at 1967 Commencement

Monday, January 16—Last day for submission to deans and department chairmen of dissertation topic proposals by candidates for doctoral degree at 1968 Commencement

Saturday, January 28—Fall session ends

# CONTENTS

Academic Calendar .....	3
Administrative Officers of the University .....	8
Administration of the Graduate School .....	9
Accreditation .....	10
Graduate Education in Washington .....	12
Degree Programs .....	15
Honor Awards and Financial Assistance .....	19
Master's Degree Program .....	26
Doctor's Degree Program .....	29
University Schools Offering Graduate Programs	
College of Arts and Sciences .....	34
School of Business Administration .....	35
School of Government and Public Administration .....	35
School of International Service .....	35
Intra-University Programs .....	35
The Faculty .....	37
The Corporation .....	45
Index .....	48



President Wilson dedicates the University, 1914.

President Eisenhower speaks at the groundbreaking ceremony for the School of International Service, June, 1957.



President Kennedy delivers the Commencement address, June, 1963.

# ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

<b>Hurst R. Anderson, L.H.D., LL.D., Litt.D.</b>	President of the University
<b>Harold H. Hutson, B.D., Ph.D., LL.D.</b>	Provost
<b>Stafford H. Cassell, M.S., LL.D.</b>	Vice President: Administra- tive Assistant to the Presi- dent
<b>Donald Derby, Ph.D.</b>	Vice President: Dean of Fac- ulties
<b>William O. Nicholls, M.B.A.</b>	Vice President: Treasurer and Business Manager
<b>K. Brent Woodruff, M.A.</b>	Vice President: Director of University Development

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<b>John Wakefield, B.S.</b>	Director of Admissions
<b>Martha Short, B.S.</b>	Registrar
<b>Merrill Ewing, M.B.A.</b>	Controller
<b>LeRoy Graham, B.D.</b>	University Chaplain
<b>Tom W. Sills, M.B.A.</b>	Director of Student Aid
<b>Herbert P. Stutts, M.S.</b>	Director of Placement and Housing

The administrative offices of the Graduate School are located on the Campus in the McKinley Building, Room 153, Massachusetts and Nebraska Avenues, N.W., Washington, D.C. 20016.

# DEANS OF SCHOOLS AND COLLEGES

<b>Sumner O. Burhoe, Ph.D.</b> . . . . .	Acting Dean, Graduate School
<b>Richard W. Van Wagenen, Ph.D.</b> . . . . .	Dean, Graduate School (on Leave until Fall 1964)
	Dean, College of Arts and Sciences
<b>Nathan A. Baily, Ph.D.</b> . . . . .	Dean, School of Business Administration
<b>Earl H. De Long, Ph.D.</b> . . . . .	Dean, School of Government and Public Administration
<b>Ernest S. Griffith, D.Phil., Litt.D., L.H.D.</b> . . . . .	Dean, School of International Service
<b>John S. Myers, LL.B.</b> . . . . .	Dean, Washington College of Law
<b>Richard M. Bray, M.A.</b> . . . . .	Associate Dean of Faculties; Dean, Division of General and Special Studies

## Administration of the Graduate School

<b>Sumner O. Burhoe, Ph.D.</b> . . . . .	Acting Dean, Graduate School
<b>Richard W. Van Wagenen, Ph.D.</b> . . . . .	Dean, Graduate School (On Leave until Fall 1964)
<b>Ernst Correll, Dr. oec, publ.</b> . . . . .	Graduate Language Examiner
<b>Kendrick Lee, B.A.</b> . . . . .	Assistant to the Dean
<b>Doris Andrews</b> . . . . .	Secretary of the Graduate School
<b>Pamela R. Johnson</b> . . . . .	Clerk-Typist

# GENERAL INFORMATION

The American University, chartered by the Congress of the United States on February 24, 1893, is a coeducational, privately endowed, Methodist related urban university. It welcomes students and scholars of all races, creeds and nationalities to its programs of education.

The University publishes an annual **General Information Bulletin**. This bulletin contains information about the University's history, organization, faculty, facilities, programs and degrees, admission requirements, academic life, library resources, financial assistance, student personnel services, residence facilities, student activities, tuition and other charges, alumni activities, and special university programs. Please consult this bulletin for information about any of these areas.

## Accreditation

The American University is accredited by the Middle States Association of Colleges and Secondary Schools and the University Senate of The Methodist Church.

It is a member of the Association of American Colleges, the Association of Urban Universities, the Association of University Evening Colleges, the National Intercollegiate Athletic Association; and approved by the American Association of University Women.

The University is a charter member of the Council of Graduate Schools in the United States and is a member of the Midwest Conference on Graduate Study and Research.

The School of Business Administration is a member of the Middle Atlantic Association of Colleges of Business Administration.

The Washington College of Law is a member of the Association of American Law Schools and is approved by the American Bar Association.

The Department of Education in the College of Arts and Sciences is a member of the American Association of Colleges for Teacher Education.

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The Wesley Theological Seminary is accredited by the American Association of Theological Schools and the University Senate of The Methodist Church.

# Philosophy of Graduate Work

There is no systematic way to scale the heights of wisdom—surely one of the main objects of a full life. The Graduate School believes that the best path leading eventually to those heights is by acquiring knowledge in an atmosphere that breeds disciplined and directed sensitivity. If this knowledge is to have any chance of pointing in the right direction it must be advanced knowledge. It must open the doors to an understanding of "why," not simply "what." It must be a basis for lifelong cumulation, approaching fulfillment of the educated man described by Woodrow Wilson: "His mind is a practiced instrument of precision. He . . . will oftener than another show the power of uniting the elements of a difficult subject in a whole view; he has the knowledge of the world which no one can have who knows only his own generation or only his own task."

Graduate work is offered by the University in as broad a span of subjects as we can teach with distinction. We do this for the purpose of enabling men and women to advance their learning and perfect the operation of their minds and the sensitivity of their tastes. We try to help them sharpen the instruments of systematic thought and approach the deep understanding that leads to reliable judgments.

The University enjoys a strong nucleus of full-time graduate students whose number and quality have been continually increasing. It seeks to maintain this trend by adding scholars of excellence from year to year. At the same time, it welcomes the many part-time students whom it has traditionally attracted. The full-time student benefits from the circumstance that a large portion of our graduate students are far more mature than the usual graduate student body in the United States, bringing perspective to the learning process. This maturity is brought to the classroom largely by the part-time students who are engaged in their chosen vocations; their motivation is demonstrated by their willingness to devote their spare time to the rigorous pursuit of an objective, sacrificing alternatives in favor of a regime of systematic learning.

For this reason, in a most extraordinary way the ideal of Alfred North Whitehead can be practiced at the University, not only as between teacher and student but as among students themselves: "The tragedy of the world is that those who are imaginative have but slight experience, and those who are experienced have feeble imaginations. . . . The task of a university is to weld together imagination and experience." Senator J. William Fulbright has succinctly put the imperative of the integrative approach: "The knowledge of the navigator is essential to the conduct of a voyage, but his special skills have no relevance to the choice of whether to take the voyage, and where . . . to go." A critical part of our philosophy of graduate work centers on the maintenance of a situation wherein the doctoral candidate is aware that he must continually come to terms with means and ends, throughout both his academic career and his life.

Finally, the community as a whole can be served by educational activity of this kind. Special institutes at the graduate level, as well as a broad offering of courses that may be taken in preparation for a degree or simply for themselves, enrich the intellectual assets of the entire Washington area.

## Graduate Education in Washington

In the mid-twentieth century the urgency of offering more and better graduate education to all who can use it needs no justification beyond the obvious. Neither is it necessary to spell out in detail to students in several academic fields the extra value added by carrying on this work at a good university in the governmental and cultural center that is the Nation's Capital.

Simply put, Washington is a city of exciting persons, places, ideas, and events.

The University has enjoyed gratifying success in meeting the challenge of service at the highest academic level and in training men and women not only for academic life but for outstanding positions in national affairs. Its reputation rests firmly on the strength of its faculty, on a program developed to take advantage of the research facilities of the capital city, and on a student body drawn from leading universities in the United States and foreign countries.

In the classroom the graduate student at the University meets the members of a distinguished faculty and leading experts from government, education, and business. They deal, as thinkers and as practitioners, with the complex problems of modern society and they introduce the student to the latest developments in their fields. There can be a personal relationship with an unusual group of fellow students, many of whom hold positions of real responsibility in government and several other fields in this country and abroad. Through the faculty, the co-operating officials (many of whom are themselves part-time faculty members), and his fellows, a student can study and observe, for example, the institutions and forces that shape and execute the domestic and foreign policies of the nation.

Research may be conducted under the joint auspices of the University and one of the many agencies or institutions in Washington which through the years have cooperated effectively with the University, making available their rich stores of documentation and their highly advanced methods. Facilities of the other institutions of higher education in the Washington area provide an even greater educational center.

Outside the University, there is an unparalleled collection not simply of books but of libraries. The enormous Library of Congress, the National Archives, the records of government agencies, and some 250 special libraries are located here. Some of these, such as the Folger Shakespeare Library, are world famous. To the scientist the National Bureau of Standards, the National Institutes of Health, the Geological Survey, and many other institutions offer rich opportunities.

The embassies and consulates contribute, of course, a rare source of knowledge and experience to the student. Museums and art galleries of the first rank, the theater, concerts, and churches enhance the graduate program in the humanities. Headquarters of interest groups representing business, labor, and the professions, and headquarters of local and national learned societies and religious groups offer still another reward for the serious student who comes to Washington.

Inside the University, a number of special collections add value to the regular holdings of the Uptown, Downtown, Law School, and Seminary Libraries. Some of their names indicate their relevance to scholars in those fields: collections given by Sir Alfred Zimmern, James Brown Scott, Stanley Hornbeck, the American Peace Society, the League of Nations Information Service, and the Teaching Institute of Economics. Other small but special collections are available in the fields of music and mathematics.

The presence of the Special Operations Research Office brings to one corner of the Uptown campus a staff of experts carrying out research on behalf of the government. SORO is maintained by the University under a contract with the Department of the Army. Among other activities, it writes books and background papers on foreign countries which are designed to set forth and evaluate the social, political, and economic aspects of their culture. Its professional staff includes many scholars with high qualifications and wide experience who can be consulted by advanced students.

## Students

The full-time body of graduate students is drawn from 49 states of the United States, several of the territories, and from 75 foreign countries (Fall registration of 1963).



Study and research in the library

# Degree Programs

## Master's Degree

The University offers the following Master's degree programs:

**The College of Arts and Sciences** offers programs leading to the Master of Arts degree in anthropology, art, economics, education, English, French, German, history, journalism, linguistics, mathematics, music, philosophy, psychology, public relations, religion, Russian, sociology, Spanish, speech arts, and statistics. The College has programs leading to the Master of Science degree in biology, chemistry, earth sciences, physics and science teaching; also, programs leading to the Master of Education degree.

**The School of Business Administration** offers a program leading to the degree of Master of Business Administration.

**The School of Government and Public Administration** offers programs leading to the degree of Master of Arts in government and Master of Arts in public administration.

**The School of International Service** offers programs leading to the degrees of Master of Arts in international relations and organization and Master of International Service. It also administers the program leading to the degree of Master of Arts in area studies.

## Doctor's Degree

The University offers programs leading to the Doctor of Philosophy degree in the following fields: area studies, business administration, economics, government, history, international relations and organization, mathematics, psychology, public administration, sociology, and statistics. The Doctor of Education degree is also offered.

The requirements for these degrees are stated in the individual catalogs of the various Schools and the College which list the courses of study. Any School, College or Department, however, is entitled to increase the requirements indicated. Each student should secure a catalog of the School or the College in which his major interest lies before definite study plans are made.

It should be remembered that in no field is the Doctor's degree earned by merely a set amount of work; it is awarded only upon the achievement of a high degree of scholarly qualification as judged by appropriate members of the faculty.

## Area Studies Program

This program is also available leading toward the doctorate. Candidates for the Master's degree may pursue programs in Area Studies under the guidance of particular Schools or Departments of the University. Graduate degrees allowing for a very considerable area emphasis are offered in business administration, economics, government, history, international relations and sociology.

The degree in Area Studies as such is offered in the School of International Service in the following fields: Far East, (East Asia), Soviet Union and Eastern Europe, Western Europe, Middle East and North Africa, Latin America, South and Southeast Asia, and Africa South of the Sahara. In special cases students

may elect other areas but, if so, a portion of the student's course work may have to be taken at another university. Several suitable courses are available at other institutions in the Washington area.

## Interdepartmental Science Program

The Master of Science in Science Teaching is administered under the joint supervision of the Division of Natural Sciences and Mathematics and the Department of Education. (See page 70 of the College of Arts and Science Bulletin for requirements.)

## Interdisciplinary Study

Graduate work divided among Schools and Departments does not necessarily mean compartmented study. Most Schools and Departments permit an "outside" field as one of the five comprehensive examinations for the doctorate, and some require this interdisciplinary breadth.

There is ample room in the normal curriculum for course work in other Schools and Departments at the doctoral level. At least 54 hours of the 66-hour course requirement (apart from the dissertation) must be taken in the fields of the comprehensive examinations, but the remainder need not be entirely relevant to those fields. In some areas of study, such as Public Administration and Business Administration, or International Relations and Comparative Government, the exposure to course work in more than one School is apt to be necessary for an understanding of the main area—in the first example as between the School of Government and Public Administration and the School of Business Administration, and in the second example as between the School of International Service and the School of Government and Public Administration. In other cases the student may wish to go far afield or to transfer a few credits from another field taken in another institution.

The Area Studies Doctorate is broadly and deliberately interdisciplinary.

A student working toward doctorate or Master's degree may take courses in the Wesley Theological Seminary and apply certain of them toward the requirements for the degree. He may do the same with courses at the other five universities in the metropolitan area; and courses up to half the residence requirement at the University may be taken at such of those universities as have enacted a reciprocal agreement. Prior permission to take such courses must be secured from the Dean or Chairman of the School or Department in which the student is enrolled and the appropriate official of the institution in which the course is being offered. The normal prerequisites will be expected.

Programs and courses of study offered by each School and the College, as well as their graduate requirements and their faculty, are shown elsewhere in this catalog. For greater detail, and especially for *course descriptions*, the separate catalogs of the College and Schools themselves should be consulted.

## Types of Graduate Work

In addition to the normal lecture-discussion courses and seminars, the program of graduate study provides opportunities for individual research projects (including case studies and in-service projects), professional institutes, and very limited opportunity for reading courses.

No more than a total of six hours (exclusive of non-thesis options) may be counted toward the hour requirements for the Master's degree in the form of reading courses, individual research projects, in-service projects, or professional institutes; nor more than nine hours for any two or more of these types of work combined. For the Doctorate the limits are nine and eighteen hours, respectively, except that no more than six hours may be taken in individual research projects.

An *individual research project* (apart from thesis, case study or dissertation) may be elected by a student for credit toward a graduate degree after he has completed a minimum of twelve semester hours of graduate work in residence with at least a "B" grade average. A proposal for an individual research project must be made by the student, through any instructor, to his Dean or Department Chairman. Approval of these projects is granted, each project separately, by the Dean concerned.

Individual research projects must be completed within one calendar year of the date of approval. The Dean, after reviewing the work submitted, may allow as much as six hours credit for the project, although a student is not permitted to register for more than three hours credit at the outset. If the additional three hours are approved, the student is required to formally add the hours and to pay the tuition charges in effect at the time of original registration for the research project.

An *in-service project* is an individual research project undertaken by a student working in a government, educational, business, or other selected organization concerning some aspect of its operation. Completion of a minimum of twelve hours of resident graduate study with at least a "B" average is a prerequisite for undertaking an in-service project. The project is supervised jointly by a member of the faculty and an official of the organization. The in-service project must be approved in advance by the Dean concerned, is offered initially for three hours of credit, and must be completed within one calendar year from the date of registration. The Dean reviews the work submitted and may allow as much as six hours of credit for any one project.

A *professional institute* is a specialized and intensive academic offering of the University designed primarily for persons engaged in professional fields. A student may earn credit toward an advanced degree in an institute which is approved for graduate credit only when the election is approved by the appropriate Dean or Department Chairman, when the student meets the prerequisites for registration in that institue, and when he enrolls according to its regulations. Institutes are listed in this catalog at the end of course lists.

A *reading course* is an offering which the student may, under special circumstances, pursue on an individual basis with an appropriate number of tutorial conferences. In order to be eligible to register for either a scheduled or an unscheduled reading course a graduate student must be working toward a degree and have completed at least six hours of graduate study at the University with an average of "B" or better. In addition, approval of an *unscheduled* reading course is granted only if it seems to be justified as part of the student's educational program, if no course covering the subject is available, and if it is a course that the University could realistically be expected to offer. The respective Dean passes upon all unscheduled reading courses in his School or College, and approval must be secured before registration, on special forms provided for the purpose. The student is expected to (1) master material at least equivalent to that covered in a comparable course of the lecture-discussion type, (2) attend a minimum of four scheduled tutorial conferences, and (3) pass tests on the material assigned, including an end-of-course written examination.

*Graduate study (no credit) registration* may be recommended to a graduate student who has completed courses and thesis seminar requirements but who wishes to continue on the active rolls of the University while completing theses, case studies, or other requirements.

The *summer program* supplies an offering of courses and institutes. Some programs, such as the Master of Science in Science Teaching and the Master of Education, are also designed for those students who may be able to study only during the summer.

Either *full-time or part-time study* is available, the latter for those who work full-time at their vocations. Employment opportunities in Washington are excellent, and emphasis is placed increasingly on advanced education by the Federal Government and other employers. The University facilitates the education of part-time students by offering full programs of evening classes, many of them at the Downtown Center (19th and F Streets, N.W.), convenient to some of the major centers of government employment. Most evening classes meet once a week. It is possible to complete the course requirements for most graduate degrees entirely through evening classes.

*Degree and Non-degree* work are available. If a student does not wish to pursue a degree program but desires to register for particular courses for which he has the necessary qualifications, he may be admitted to the Division of General and Special Studies as a *non-degree* student. He then receives full academic credit for courses taken (unless he registers as an auditor, in which case he is not responsible for attendance or examinations and does not receive a grade or academic credit). If a student enrolled in the Division wishes later to enter a degree program he may be considered for admission provided he has maintained a "B" average in graduate level work in the Division. He may transfer not more than 12 acceptable graduate credits earned in non-degree status toward a graduate degree program but all graduate level work will be included in computing a student's academic average.

## Changes in Degree Programs

Changing from one Department or School to another requires admission to the Department or School to which transfer is desired and involves an evaluation of the courses previously taken in relation to the new degree objective. A doctoral student requesting such a transfer should reapply to the Office of Admissions, giving his reasons for the request. The transfer must be approved initially by the Dean or Chairman of the School or Department to which transfer is requested, and need not be approved by the Dean or Chairman of the student's former School or Department; final approval rests with the Dean of the Graduate School.

In addition to the general requirements stated in earlier pages, a student must satisfy any further requirements of the School or Department to which he wishes to transfer. Deficiencies are usually remedied by successfully completing certain additional undergraduate or graduate courses which the student must take soon after, if not before, being allowed to transfer.

A student who has been admitted to the University on a *non-degree* basis should take special care to apply early for admission toward a degree if he wishes to pursue a degree program.

# Foreign Students

Applications from graduates of foreign colleges and universities are welcomed, provided the applicant (1) has the equivalent of the American B.A. or B.S. degree, with first-class honors, and (2) can prove his ability to support himself financially for the duration of his stay in this country.

Every applicant whose native language is not English must demonstrate to the satisfaction of the Office of Admissions his ability to use the English language well enough to pursue academic work in an English-speaking university. He must submit also *certified original credentials* and satisfy all requirements of the United States Immigration and Naturalization Service as to health, English proficiency, and financial resources.

The Foreign Student Adviser maintains an office on the Uptown Campus but also maintains regular hours at the Downtown Center. He assists foreign students with special problems and interprets their academic interests within the program of the University. They should feel free to consult him on all matters relating to their work.

There is ample opportunity in Washington for intensive study of the English language at the beginning, intermediate and advanced levels. Students who come from non-English speaking countries may be required to enroll in a suitable language school before admission or advancement to candidacy can be granted.

## Housing

A limited number of double rooms is available, for *full-time* graduate students on the uptown campus of the University. Applications should be sent to the University's Housing Office; those received by May 1 will receive preferred consideration.

## Honor Awards and Other Financial Assistance

### Scholarships, Fellowships, and Assistantships

Each year a number of scholarships, fellowships, and assistantships are awarded to students of superior ability and special academic promise. The following awards for the academic year 1964-65 are typical of the kind available each year. Except where otherwise stated, tuition is paid by the recipient of the award and applications must be received not later than February 1.

#### Honor Awards

The following awards are available for **full-time** study in any field, unless otherwise specified:

**Graduate Assistantships, \$2,000 plus full tuition**—require academic duties for 15 to 20 hours per week.

**Cokesbury Awards**, \$500 to \$2,500—for Methodists who are U.S. citizens choosing a career on college teaching.

**Reynolds Fellowships**, up to \$2,000—for persons training for missionary service.

**Gustavus Swift Fellowships**, \$1,000 to \$3,000—for graduates of the Garrett Biblical Institute.

**Washington Semester Scholarships**, full tuition for 5 courses—open only to former Washington Semester students.

**One Collier Alumni Scholarship**, \$800—applicant must be nominated by the Board of Directors of American University Alumni Association.

**One Zonta Club Fellowship**, \$400—for a woman preparing for a career in a profession.

**Massey Foundation Fellowships**, up to \$2,500—primarily for Canadian citizens.

**Hall of Nations Scholarships**, full tuition for one semester or half tuition for one year—for foreign students only.

**Six Government Internships**, full tuition for 5 courses each semester, including 6 semester hours of supervised field work in a Government establishment.

**One Borden P. Bowne Scholarship in Philosophy**, \$500 plus full tuition—for the study of Philosophy.

**One Harvard University Reciprocal Scholarship**, full tuition for summer study at Harvard, and open only to graduating seniors and graduate students of The American University. **Application deadline May 1, 1964.**

## **Departmental and Teaching Assistantships**

These are available as indicated below. Application should be made directly to the Chairman of the School or Department in which the student desires to study.

**In Anthropology, Area Studies, International Relations, and Sociology**, \$450-500 per year.

**In Biology, Chemistry, Earth Sciences, Economics, Journalism, Music and Public Relations**, \$2,000 per ten months and two courses per semester, plus academic duties 12-15 hours per week.

**In Business Administration, Education, English, History, Mathematics, Physics, Psychology, and Statistics**, \$1,800 per ten months, and two courses per semester.

**One Robert V. Fletcher Assistantship in Transportation**, \$2,000 plus remitted tuition; requires academic duties for 15-20 hours per week with the Director of the Transportation Program. Deadline: May 1.

**One Accounting Fellowship**, \$1,800-\$2,000 and tuition for four courses each semester.

**One American Security & Trust Co. Fellowship in Finance**, \$1,500-\$2,000, renewable a second year.

**Three United Church of Christ Scholarships** in African Studies, priority to American Missionary Society college graduates—\$1,000.

**One National Association of Home Builders Scholarship**—up to \$1,000.

**One Morton J. Luchs Scholarship in Real Estate**, \$700—includes possibility of summer or post-degree employment with Shannon & Luchs, Washington Realtors.

Several **church denomination awards** to students in the School of International Service, ranging from \$500-\$1,000.

**Five Catheryn Seckler-Hudson Fellowships**—12 hours of tuition per semester.

**One Chevy Chase Merchants Association Scholarship in Retailing and Merchandising**—\$400.

**One Berens Real Estate Scholarship**—\$490.

**Summer Fellowships in Science**—for Graduate Teaching Assistants, between \$50 and \$75 per week plus tuition and fees, for study in science or an acceptable discipline; subject to approval by U. S. National Science Foundation. **Application deadline** is December 6, 1963.

#### **National Education Act Fellowships**—

Title IV programs anticipated in: International Business; National, State & Local Government; South & South-East Asia.

Title VI: Russian & Spanish.

Three **Ford Foundation Fellowships** for Far East area studies—\$2,000.

### **Conditions of Appointment**

Unless otherwise specified, the awards are for full-time study in any School or College of the University except the Washington College of Law.

To qualify for awards competition an applicant must (a) have maintained at least a "B" average, or its equivalent, in previous college studies, (b) have applied for admission to the School or College within which he wishes to pursue a full-time degree program, and (c) have submitted a Scholarship Application and supporting recommendations to the Office of the Dean of the Graduate School no later than February 1, for the following academic year.

Appointments to scholarships, fellowships, and assistantships are ordinarily announced by April 1.

Awards are granted for only one year at a time and are not automatically renewed except in the case of the National Defense Education Act three-year fellowships. However, any student may enter competition each year for any awards, and with some awards there is a presumption of continuation.

### **Other Financial Assistance**

**Student Loans.** Student loans assist full-time students in meeting financial obligations and emergency needs. The amounts which may be borrowed, the interest rates, and the conditions of any loan are defined by the terms of the trust funds utilized. For example, the Phi Delta Gamma loan fund has been established for a woman pursuing an advanced degree. The Federal Government makes a large amount available under the National Defense Education Act, with reduction of up to 50% of the indebtedness for students who go into public

elementary or secondary school teaching. Applications for student loans are placed with the Dean of Students.

*Resident Counselors.* Resident Counselorships providing room and board are available to both men and women. Applications should be made to the Director of Housing in the Office of Student Personnel no later than March 1.

*Campus and Other Employment.* The University maintains a Vocational Guidance and Placement Center, an important function of which is to assist students enrolled in the University in finding part-time employment on and off the campus. Many students earn part of their college expenses in this way.

## **GRADUATE HONOR AWARD RECIPIENTS, 1963-64**

### **Graduate Assistants**

- Abrahams, Ina B.—B.A., Arizona State (1961)  
Burgess, Joanne C.—B.A., Lynchburg (1961)  
Feuer, Ronald J.—B.A., The American University (1961)  
Fortucci, Paula R.—B.S., The George Washington University (1962)  
Jones, Linda Clare—B.A., Pennsylvania State University (1961)  
Leng, Russell—A.B., Middlebury College (1960)  
Resnick, Enoch F.—M.A., The American University (1963)  
Roberts, Norman P.—M.A., The American University (1963)  
Schrock, Joann L.—B.A., The American University (1963)  
Tucker, Jerry L.—B.A., Adams State College (1962)  
Warden, James S.—B.A., Emory and Henry College (1963)  
Wholihan, John T.—MBA, Indiana University (1960)

### **Massey Foundation Fellows**

- Davies, Gwilym E.—M.A., Pacific University (1962)  
Menard, Clement—M.A., Laval University (1963)

### **Cokesbury Awards in College Teaching**

- Idol, Arlene F.—B.A., California Western University (1962)  
Reeves, Thomas C.—S.T.B., Harvard University (1963)  
Wilson, Melford A., Jr.—A.B., Wofford College (1963)

### **Reynolds Fellows**

- Dizon, Josue S.—M.A., The American University (1963)  
Gell, Robert L.—A.B., Nebraska State University [Kearny] (1956)

### **Woodrow Wilson Fellow**

- Olson, Edwin E.—M.A., The American University (1961)  
Loeb, Louis, S.—M.A., The American University (1958)

### **Collier Alumni Award**

- Scaratton, Adele M.—B.A., The University of Pennsylvania (1962)

### **National Defense Education Act Fellows**

- Berman, David R.—M.A., The American University (1963)  
Blakemore, David L.—B.A., Valparaiso University (1962)

Heineman, Robert A.—M.A., The American University (1963)  
Kinaka, William T.—B.A., Whittier College (1962)  
Mechtensimer, Verson C.—A.B., Wittenburg University (1963)  
Smith, Edmond C.—B.S., Kutztown State Teachers College (1962)  
Toomey, Rowena Y.—B.A., Western College (1962)  
Wurtzel, Barbara—M.A., The American University (1963)

#### **P. Bowne Scholarship in Philosophy**

#### **Washington Semester Fellow**

Pappas, Nicholas J.—B.S., Shepherd College (1963)

#### **Government Interns**

Eagle, Robert E.—B.S., Montana State College (1963)  
Ruedi, Elise Ann—B.A., Washington College (1963)  
Silber, Susan C.—B.A., Syracuse University (1963)

#### **Zonta Club Scholar**

Connolly, Gail S.R.—M.A., The University of Florida (1962)

#### **Hall of Nations Scholars**

Favilla, Alberto J.—MBA, The American University (1963)  
Luyen, Gerard N. K.—B.A., Gustavus Adolphus (1960)  
Madan, Sumitra—M.A., Panjab University (1948)  
Yoon, Chong—M.A., The American University (1962)

#### **Harvard Summer Reciprocal Award**

Du Val, Patricia A.—B.A., The American University (1963)

## **GRADUATE HONOR AWARD RECIPIENTS, 1962-63**

#### **Graduate Assistants**

Ashby, John H.—B.S., Kent State University (1961)  
Beck, Jean L.—B.S., Virginia State College (1959)  
Burgess, Phillip M.—A.B., Knox College (1961)  
Griffiths, Leslie M. S.—A.B., The American University (1963)  
Hill, Charles W.—B.A., Shepherd College (1963)  
Mackey, Clare S.—M.S., The University of Illinois (1955)  
Stover, Carolyn E.—A.B., Mary Baldwin College (1962)  
Rainey, Gene E.—M.A., Fletcher School of Law and Diplomacy (1960)  
Tucker, Jerry L.—B.A., Adams State College (1962)  
Wholihan, John T.—MBA, Indiana University (1960)

#### **Borden P. Bowne Scholarship in Philosophy**

Frank, Joanne M.—B.A., Wilson College (1962)

#### **Government Internships**

Gannon, James A.—M.A., The American University (1963)  
Flanigan, James P.—B.A., The American University (1961)

Miller, R. Clark—B.A., Upper Iowa University (1962)  
Phillips, George W.—B.S., Indiana State Teachers College (1952)  
Scrivner, Peter C.—B.A., Washington University (1960)

### Hall of Nations

Chawla, Harbans S.—M.A., Duquesne University (1962)  
Dizon, Josue—B.A., West Virginia Wesleyan College (1959)  
Favilla, Alberto J.—B.A., The University of Buenos Aires (1957)  
Lawson, James O.—B.S., Bethune-Cookman College (1962)  
Lewis, Rapheal O.—B.A., Philander Smith College (1962)  
Madan, Sumitra—M.A., Panjab University (1948)  
Yoon, Chong Kun—B.A., The University of Oregon (1959)

### Gustavus Swift Fellowship

Welch, H. Alden—B.D., Garrett Biblical Institution (1962)

### Massey Foundation Fellows

Davies, Gwilym E.—M.A., Pacific University (1962)  
Menard, Clement—M.A., Laval University (1963)  
Selivanoff, George A.—B.A., The University of British Columbia (1957)  
Wick, Edward M.—B.S., Gallaudet College (1962)

### National Defense Education Act Fellows

Barrett, Robert A.—M.A., The American University (1962)  
Blakemore, David L.—B.A., Valparaiso University (1962)  
Fisher, J. Donald—B.A., Shepherd College (1961)  
French, Rodney C.—A.B., Colgate University (1958)  
Kinaka, William T.—B.A., Whittier College (1962)  
Hay, Raymond G.—M.A., The American University (1962)  
Hays, Ola Mae—M.A., The American University (1962)  
Heineman, Robert A.—M.A., The American University (1962)  
Hill, Anneke J.—M.A., The American University (1963)  
Scouten, Wesley G.—A.B., Syracuse University (1959)  
Toomey, Rowena Y.—B.A., Western College (1962)  
Wynne, Dorothy E.—M.A., The American University (1962)  
Wurtzel, Barbara—M.A., The American University (1963)

### Cokesbury Awards in College Teaching

Bacon, Dorothy—B.A., Bennet College (1962)  
Heins, John E. L.—A.B., Hope College (1958)  
Terry, James A.—B.S., Pennsylvania State College (1962)

### Collier Alumni Award

Langerman, Elaine M.—B.A., The American University (1960)

### Reynolds Fellowship

Gell, Robert—A.B., Nebraska State University [Kearny] (1956)

### Washington Semester Fellow

Wade, Mildred Ann—B.A., Millsaps College (1962)



The School of International Service

# Master's Degree

## Admission

Consideration for admission to study for the Master's degree is normally open to students who hold a Bachelor's degree for a standard four-year curriculum in a regionally accredited institution of higher learning.

Admission is normally granted if the Bachelor's degree was achieved with a grade of "B" or better in the appropriate type of work. Under some conditions exceptions are made, frequently involving a standardized examination. An applicant may be required to complete undergraduate deficiencies during the early part of his graduate work at The American University, and may not take courses above the 500 level until these are completed.

Admission to study for the Master's degree is a separate step from admission to study for the Bachelor's degree or the Doctor's degree.

An applicant for admission to a degree program must submit a completed application form to the Office of Admissions. In support of this application, he must ask each college or university which he has attended to send an official transcript of his record to the Office of Admissions.

Several of the Schools and Departments require the Graduate Record Examination for admission. Other supporting documents, such as letters of recommendation or evidence of professional experience may also be submitted in the interest of a more accurate estimate of any undergraduate deficiencies which might have to be made up, or simply in support of favorable action on the application for admission.

A student must clear his admission status before he registers for courses. This is with the exception of prospective students in the School of International Service; such a student whose application for degree admission has not received final action may be permitted to register *provisionally* for one semester, on the written understanding that should the student's credentials not arrive within a specified period, or should an evaluation of them show him to be ineligible for matriculation in a degree program, he will not be permitted to re-register. Such a provisional registrant is subject to all School and University rules and regulations while registered.

In addition to the general requirements stated above, any further admission requirements may be found in the catalog of the School or College within which a student wishes to register.

Special advice to foreign students will be found on page 19 of this catalog.

Changing from one Department or School to another, or from non-degree status to degree status, is discussed on page 18.

## Course, Residence, and Grade Requirements

The minimum course requirements for all Master's degrees is thirty graduate hours, including up to six hours credit for thesis when a thesis is written. Twenty-four of the thirty hours must be completed at the University in order to fulfill the residence requirement, including the thesis or non-thesis option, except where a reciprocal arrangement has been made with another institution in the District of Columbia (see p. 30).

A maximum of six hours of transfer credit toward completion of course requirements may be granted for work at other colleges or universities. In order

to be transferred, the credits earned elsewhere must be graduate level courses taken after the student has received the Bachelor's degree, and they must be judged appropriate to the student's degree program by his Dean.

Once a student has been admitted to graduate work toward a degree he must obtain *prior* permission from his Dean or Department Chairman in order to take graduate work at another institution which will count toward his degree objective; otherwise such work will not be included.

Credit is usually transferred at the time of advancement to candidacy. However, a student may request a tentative evaluation of transfer credit at any time.

The thirty-hour requirement allows inclusion of up to six hours of thesis or non-thesis option, if the thesis or non-thesis option has been completed within the framework of the appropriate seminars. These seminars are considered to be work taken in residence, even though the thesis may be written *in absentia* under the supervision of a faculty member of the University.

Although courses in which "C" grades have been received are counted toward the total hours required for a graduate degree, at least a "B" average in all of the graduate level course work taken at the University is required for permission to register for reading courses, in-service projects, or individual research projects, and for advancement to candidacy, eligibility for comprehensive examinations, and certification for the Master's degree. The grade average is computed on the basis of all graduate courses taken at the University. Grades earned at other institutions may not be used to correct deficient grade averages at the University.

Periodically the appropriate Dean reviews each student's record; on the basis of this he may take such action as he deems appropriate. A graduate student who is not making satisfactory progress toward his degree objective, for any reason and as determined by the Dean or Department Chairman concerned, may be required to withdraw from graduate study at any time.

## **Advancement to Candidacy**

Admission to graduate study does not automatically mean advancement to candidacy for the Master's degree. Each is a separate step in the student's progress toward the degree.

At the time of advancement the student determines, in consultation with his program counselor, the fields he wants to offer for comprehensive examinations and any required tool of research and then files the appropriate form with the Dean of his School or Chairman of his division. Advancement to candidacy has *no connection* with *admission* to the *comprehensive examinations*. The candidate must apply for the latter [before the deadline dates—announced in the **Session Bulletin**—usually the first Monday in October and the first Monday in February] by filing the proper application form with his Department Chairman or School Dean, and paying the required fee.

Master's degree students *may* apply for advancement to candidacy when they have completed the first twelve hours of graduate work (with an average of "B" or better) and have made up all deficiencies specified by the School or Department. This application *must* be made no later than the completion of 18 hours of graduate work (or, in the College of Arts and Sciences, no later than two years after admission, whichever is earlier). If at this time a student's average is less than "B", he will be dismissed from the University.

Candidacy for the Master's degree remains valid for a period of five years (in the College of Arts and Sciences, for three years), provided the candidate maintains the necessary grade average. Upon petition to the appropriate Dean it

may be renewed once for a period of up to three years, with conditions deemed appropriate and in accordance with regulations then in force.

## Tools of Research

A tool of research is a foreign language or a quantitative skill required in preparation for an advanced degree. Mastery of the tool is achieved outside the 30 hours of course requirements.

No tool of research is required for the Master's degree except as indicated in the detailed descriptions of specific degree programs. In each case where a tool of research is indicated, the tool requirement must be satisfied before a thesis topic will be finally approved. A Master's degree student must complete any proficiency examination in the manner prescribed by his School or Department.

## Comprehensive Examinations

Written comprehensive examinations for Master's degrees are designed to test mastery of a field of specialization. They presuppose more reading and research in the field than would normally be expected in a series of lecture-discussion courses. Examinations are expected to show not only knowledge of the subject matter and of appropriate professional literature, but also an ability to express intelligently comprehensive concepts and fundamental issues.

A student is eligible to take the comprehensive examinations after he has been advanced to candidacy and has completed the total number of hours of graduate work prescribed for his degree, not including thesis or non-thesis option. An especially well-prepared candidate may obtain permission to take the comprehensive examinations in the same semester in which he is scheduled to complete the necessary hours of course work toward his degree.

The office of the Dean of the Graduate School administers comprehensive examinations for the Master's degree twice a year, once in the Fall and once in the Spring. They must be taken as a unit. Applications for admission to the examinations must be signed by the student's Dean or Department Chairman, stamped by the Office of Student Accounts, and filed in the office of the Dean of the Graduate School not later than the final dates (early in October and early in February) announced in each **Session Bulletin**.

Although proposed fields for comprehensive examinations may have been determined as early as the first interview, it is possible to change the fields, with specific permission, up until the time when the student actually submits the application for admission to the comprehensive examinations. Each School and Department offers a list of standard comprehensive examination fields, including certain fields and areas in which candidates in particular degree programs must present themselves for examination. These are to be found in the requirements listed in the respective catalogs. A student may choose from the remaining fields the ones which fit into his own interests and objectives.

If the student's special academic interests are not well served within the scope of the standard fields, he may in rare cases ask for permission to offer a special field, as long as it is one which the University could realistically be expected to offer. This requires the submission of six copies of a short summary and short selected bibliography for the field, and approval by the appropriate Dean or Department Chairman.

Candidates for almost all Master's degrees take comprehensive examinations in three fields. Each comprehensive examination paper is read by two readers and

rated Distinction, Satisfactory, or Unsatisfactory by each reader. In case of disagreement a third reader may be appointed. The composite rating is decided by the concurring ratings of two readers.

A Master's degree candidate may retake the examinations if permission is obtained from his Dean; they must be re-taken in their entirety. He need not select the same fields the second time. A Master's candidate who twice fails comprehensive examinations is dismissed automatically from the University.

## Theses and Non-Thesis Options

The thesis is expected to demonstrate the student's capacity to carry on original and independent research. Some Schools and Departments of the University offer an opportunity to substitute a case study, an in-service project, an original creative work, or specific advanced research courses for a thesis for the Master's degree. (See the requirements for specific degrees, below.) In every such case, the seminar or other alternative to the thesis must be completed with a grade of at least "B", and is considered a part of the residence requirement for the Master's degree.

No academic credit is given for the Master's thesis unless the student registers for the Thesis Seminar. However, a student should not enroll for his seminar before he is ready to start work on his formal proposal or on the thesis itself.

An advisory committee is appointed for each candidate working on a thesis. The committee may be composed of one, two, or three members. An oral examination by this committee is normally required. Suggestions for revision may be made as conditions to be met before members will sign the title page of the thesis.

A student who writes a thesis must adhere to the required form and content for the proposal and to the other procedures described in detail in the Graduate Regulations.

## Doctor's Degree

The student should consult the Dean of the Graduate School if he is undecided as to which School or Department would best serve his academic objectives. Once this has been decided and admission granted, the School or Department does the counseling as to exact requirements and sequence of particular courses. At certain points the Dean of the Graduate School plays a part in the student's progress—admission, advancement to candidacy, transfer of credit, approval of tools of research, administration of the comprehensive examinations, approval of dissertation topic proposals, awarding of scholarships and fellowships, appointment of dissertation advisory committees, and certain minor steps.

In some matters the planning of a Doctor's degree program is generally the same as that for a Master's degree, as outlined on page 26 of this catalog. The Deans and Chairmen or their representatives perform the major counseling function throughout the year. The Dean of the Graduate School is concerned with the welfare of all graduate students, but especially doctoral aspirants.

## Admission

Admission to study for the Doctor's degree is a separate step from admission to study for a Master's degree, even if the Master's degree has been obtained from The American University. Admission will usually not be considered unless

the applicant has a Master's degree from a regionally accredited institution, but may sometimes be considered on the basis of 30 semester hours of at least "B" grade graduate work from a regionally accredited institution.

An applicant for admission to a degree program must submit a completed application form to the Office of Admissions. In support of this application, he must ask each college or university which he has attended to send an official transcript of his record to the Office of Admissions. In the case of doctoral applications from students who have not had previous graduate work at the University, two letters of recommendation from former professors are required as part of the admission credentials. In addition, several of the Schools and Departments require the Graduate Record Examination or an advanced test for graduate study, for admission. Other supporting documents, such as additional letters of recommendation or evidence of professional experience may also be submitted in the interest of a more accurate estimate of any deficiencies which might have to be made up, or simply in support of favorable action on the application for admission.

A student must clear his admission status before he registers for courses. This is with the exception of prospective students in the School of International Service; such a student whose application for degree admission has not received final action may be permitted to register *provisionally* for one semester, on the written understanding that should the student's credentials not arrive within a specified period, or should an evaluation of them show him to be ineligible for matriculation in a degree program, he will not be permitted to re-register. Such a provisional registrant is subject to all School and University rules and regulations while registered.

Special advice to foreign students is offered on page 19 of this catalog.

Changing from one Department or School to another, or from non-degree to degree status, is discussed below (see page 18).

## **Course, Residence, and Grade Requirements**

Although it is not the most decisive factor in judging progress toward the degree, the credit-hour requirement for all Doctor's degrees is a minimum of 66 hours of graduate work (plus credit for the dissertation). Since as much as 6 credit-hours may be awarded for the doctoral dissertation, the minimum credit-hour requirement for the doctorate is 72 graduate hours. At least 30 hours, plus any and all credit given for the dissertation, must be taken in residence at the University. The only exception is approved work taken at some of the institutions in the District of Columbia with which the University has a reciprocal arrangement. If the Master's degree has been awarded by the University, at least 12 hours of residence are required in addition to the minimum 24 graduate hours of residence required for the Master's degree.

Of the 66 course-hour minimum required for the Doctor's degree, not less than 54 hours of course-work must be in the fields of the five comprehensive examinations.

Although courses in which "C" grades have been received are counted toward the total hours required for a graduate degree, a *better* than "B" average in all the graduate level courses taken at the University is required before the doctorate can be awarded. This is also a requirement for advancement to candidacy, admission to comprehensive examinations, and final approval of dissertation topics. At least a "B" average is required for permission to register for reading courses, in-service projects, or individual research projects. Grades earned at other institutions may not be used to correct deficient grade averages at the University.

Periodically the Dean of the Graduate School reviews each student's record; on the basis of this he may take such action as he deems appropriate.

## Advancement to Candidacy

Admission to the Graduate School does not automatically mean advancement to candidacy for a Doctor's degree. Each is a separate step, and advancement is a discretionary act; various requirements may be set up in the best judgment of the School or College Dean, Department Chairman, or Dean of the Graduate School.

The student determines, in consultation with his program counselor, the fields he wants to offer for comprehensive examinations and any required tool of research; he then files the appropriate form with the Dean of the Graduate School, through his Dean or Department Chairman.

Doctoral degree students who have completed 30 hours of graduate work and at least 12 additional hours in residence at the University, *may* apply for advancement to candidacy if their grade average in all graduate work taken at the University is better than "B". Application *must* be made not later than the end of the semester in which 18 semester-hours of graduate work will have been completed in residence at the University, subsequent to admission to the Graduate School. If a student is ineligible for advancement at that time, his work at the University will be terminated. It will also be terminated if the grade average falls below the minimum requirement at any time thereafter.

If the Master's degree has been received at the University, a doctoral degree student *may* apply for advancement to candidacy after completing 12 graduate hours beyond the Master's degree, but *must* apply no later than the end of the semester in which 18 semester-hours of graduate work will have been completed beyond the Master's degree.

Transfer credit for prior work taken at other institutions is usually granted at the time of advancement to candidacy. In order to be transferred, the credits earned elsewhere must be graduate level courses taken after the student received the Bachelor's degree, and they must be judged appropriate to the student's degree program by the Dean of the Graduate School.

Candidacy for the doctorate remains valid for a period of 7 years, provided the necessary grade average is maintained. Upon petition to the Dean of the Graduate School, through the candidate's Dean or Department Chairman, candidacy may be renewed once for a period of up to 3 years, with conditions deemed appropriate and in accordance with regulations and curricula then in force.

## Tools of Research

A tool of research is a foreign language or a quantitative skill relevant to effective study in the student's chosen field; it should relate especially to the advanced research requirements of the degree being sought. Two tools of research are required of candidates for the Doctorate; proficiency in both must be certified before a dissertation topic proposal will be finally approved. A student's selection of his tools of research is generally made at the time of his application for advancement to candidacy, the selections made requiring the approval both of the student's Department Chairman or School Dean, and the Dean of the Graduate School.

Proficiency in a language tool of research must be demonstrated by examination on technical literature of the language in the candidate's field of study and

research. A technical vocabulary and a critical bibliography of the field may be required at the time of certification.

A student whose native language is not English may obtain certification in his native language provided it meets the criterion for any tool of research, relevance to the student's field of study and anticipated problems of research.

Proficiency in a quantitative tool of research may be demonstrated by offering for examination particular areas in which the candidate has an especially thorough mastery of techniques appropriate to quantitative research problems he will encounter in his field.

With the approval of the Dean of the Graduate School and the appropriate tool examiner, the results of tool examinations passed at other institutions may be accepted in total or partial fulfillment of the tool requirement if continued proficiency can be demonstrated.

Specific requirements for tools of research in each field of the doctorate are shown before the course listings in this catalog.

## **Comprehensive Examinations**

Written comprehensive examinations for the doctorate are designed to test mastery of both broad and specialized fields. They presuppose more reading and research in the fields than would normally be expected in a series of lecture-discussion courses. Examinations are expected to show not only knowledge of the subject and appropriate professional literature, but also an ability to express intelligently comprehensive concepts and fundamental issues.

A student is eligible to take the comprehensive examinations after he has been advanced to candidacy and has completed the total number of hours of graduate work prescribed for his degree, not including the dissertation seminar. An especially well-prepared candidate may obtain permission to take the comprehensive examinations in the same semester in which he is scheduled to complete the necessary hours of course work toward his degree.

The office of the Dean of the Graduate School administers comprehensive examinations twice a year, once in the Fall and once in the Spring. They must be taken as a unit. Applications for admission to the examinations must be signed by the student's Dean or Department Chairman, stamped by the Office of Student Accounts, and filed in the office of the Dean of the Graduate School not later than the final dates (early in October and early in February) listed in each Session Bulletin.

Although proposed fields for comprehensive examinations may have been determined as early as the first interview, it is possible to change the fields, with specific permission, up until the time when the student actually submits the application for admission to the comprehensive examinations. Each School and Department offers a list of standard comprehensive examination fields, including certain fields and areas in which the candidates in particular degree programs must present themselves for examination. These are to be found in the requirements listed in the catalogs of the Schools and College. A student may choose from the remaining fields the ones which fit into his own interests and objectives.

If the student's special academic interests are not well served within the scope of the standard fields, he may in rare cases ask for permission to offer a special field, as long as it is one which the University could realistically be expected to offer. This requires the submission of six copies of a short summary and short selected bibliography for the field, and approval by the appropriate Dean or Department Chairman and the Dean of the Graduate School.

A doctoral candidate takes comprehensive examinations in five fields. Each comprehensive examination paper is read by two readers and rated Distinction, Satisfactory, or Unsatisfactory by each reader. In case of disagreement a third reader may be appointed. The composite rating is decided by the concurring ratings of two readers.

In general, a doctoral candidate who fails his comprehensive examinations may not retake them except in their entirety. Such a candidate must petition the Dean of the Graduate School after obtaining the recommendation of his Dean or Department Chairman, in order to retake the examinations. After failure if the retake of all five comprehensive examinations is permitted, a doctoral candidate is not necessarily required to retake the same five fields as initially, but the set of fields chosen must still conform to the requirements for the chosen degree.

An exception to retaking the examinations in all five fields may be made under certain circumstances. The candidate petitions the Graduate Dean, through his Dean or Department Chairman, for permission to retake fewer than five fields in an attempt to achieve a passing performance in the set of comprehensive examinations as a whole. The minimum standard required for consideration of such a petition is that the candidate shall have failed only because of a composite unsatisfactory in one field, and not because of four or more individual unsatisfactory ratings. In such a case, it is permissible for the Graduate Dean to allow a retake of fewer than five fields, in some cases only a single field. If a partial retake is allowed, the candidate normally retakes the field failed plus the field in which a single unsatisfactory rating was received, and any other fields rated satisfactory in which comments of readers indicated a weakness.

## The Dissertation and Oral Examination

Capping the requirements for achieving the doctorate is the dissertation, together with the defense of the dissertation and the field in which it lies, in an oral examination. This oral examination must be held at the University. The candidate must have completed all other academic requirements before the oral examination can be held.

When a candidate is ready to proceed to the dissertation he must submit a dissertation topic proposal reporting the results of his preliminary research. The proposal must contain, among other things, a concise statement of the major problem of research and of supporting problems, the data to be used, a selected bibliography, a statement of the probable value or importance of the study, a brief description of the methods to be used, and a preliminary outline of the dissertation in some detail.

After approval of the proposal by the candidate's School or Department it is presented to the Dean of the Graduate School for final approval. Acceptance of the proposal indicates that the topic is a suitable one and that the dissertation will be accepted if developed adequately by the candidate. Acceptance of a dissertation topic proposal under no circumstances commits any Department or School or the University to acceptance of the dissertation itself, however. The University will take responsibility for directing research only in fields and problem areas which its faculty members feel competent to handle.

A Dissertation Advisory Committee of either four or five persons is appointed by the Dean of the Graduate School for each candidate undertaking a dissertation. After the draft manuscript has received the tentative approval of all members of the Committee, the Committee Chairman arranges for the oral examination. This

covers the dissertation itself and the general field in which it lies. All members must agree that the candidate has passed if he is to receive the degree, but at the examination conditions to be met before final acceptance may be specified without necessarily holding a second oral examination.

Students must either register for 6 hours of dissertation seminar or pay the equivalent dissertation supervision fee.

It is the policy of the University to encourage publication of dissertations, case studies, and theses, with acknowledgment to the University. In the event substantial alterations are made before publication, this fact must be noted in the prefacing statement which gives acknowledgment.

Regulations concerning the form and preparation of the final manuscript, abstract, copyright, and so forth may be obtained from the office of the Dean of the Graduate School or any other Dean or Department Chairman offering the doctorate. Certain deadline dates, e.g., for submission of proposals, for submission of drafts, and for holding oral examinations, are found in each Session Bulletin, and must be met if a candidate expects to receive his degree at the following June Commencement.

## Completion of Degree Requirements

A student who has completed all requirements for a degree but who does not succeed in meeting the deadline date established in the academic calendar for conferral at the June Commencement, may obtain certification from the Registrar that he has completed all requirements and that the degree is awarded as of the close of the summer or fall session concerned. Formal conferral of the degree is made at the next annual Commencement.

The American University offers graduate programs in various curriculum areas; for course listings and descriptions in specific areas consult the catalog of the School or College as follows:

## COLLEGE OF ARTS AND SCIENCES

Anthropology	Journalism
Art	Languages and Linguistics
Biology	Mathematics
Chemistry	Music
Earth Sciences	Philosophy
Economics	Physics
Education	Political Science
English	Psychology
Fine and Applied Arts	Public Relations
Geology	Religion
Health, Physical Education and Recreation	Sociology
History	Speech Arts
	Statistics

## SCHOOL OF BUSINESS ADMINISTRATION

Accounting	Marketing
Automatic Data Processing	Advertising
Business-Government Relations	Food Marketing
Business Management	Retailing
Commercial Banking	Sales Management
Computer Systems	Personnel Management
Church Business Management	Production Management
Financial Management	Public Relations in Business
Industrial Relations	Real Estate/ Insurance
International Business	Research/Development Management
Investments	Statistics
Managerial Analysis (Business Economics)	Transportation

SCHOOL OF GOVERNMENT AND PUBLIC ADMINISTRATION

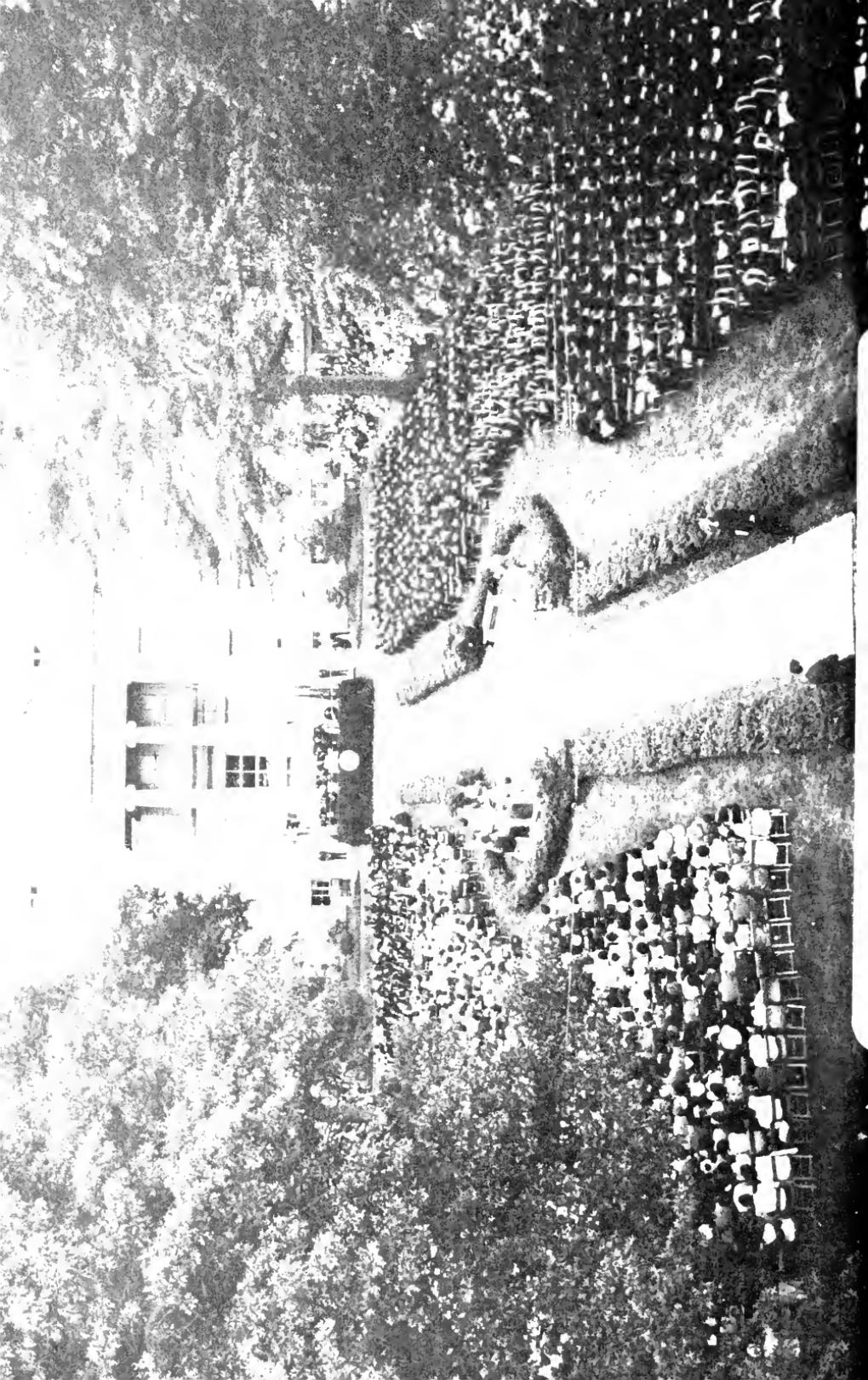
Budgetary Administration/Fiscal Policy	Personnel Administration
Center for Technology/Public Administration	Police/Traffic/Safety
Automation Research/Development Administration	Political Dynamics
Electronic Data Processing Laboratory	Political Science
Information Processing	Political Theory
Information Storage/Retrieval	Public Law
Comparative Government/Politics	Record/Archives
Governmental Processes/Policy Formation	Administration
Intern/Field Programs	Research/Reading
Organization/Management	State/Metropolitan Studies
	Washington Semester

## SCHOOL OF INTERNATIONAL SERVICE

Business Council for International Understanding	Foreign Areas
Center for Study of Diplomacy and Foreign Policy	Africa (South of Sahara)
Education for Overseas	Far East
The Foreign Service	Latin America
Business Representation Overseas	Middle East/North Africa
Church Missions	South/Southeast Asia
Overseas Representation	Soviet Union/Eastern Europe
International Administration	Western Europe
Overseas/International Labor	International Relations
	Political Science

## **INTRA-UNIVERSITY PROGRAMS**

Area Studies      Development of Nations      Science Teaching



# GRADUATE SCHOOL FACULTY

As of October 31, 1963

## Professors

- MARY H. ALDRIDGE (1955), B.S., Georgia; M.A., Duke; Ph.D., Georgetown. *Professor of Chemistry.*
- CARL G. ANTHON (1961), B.A., Chicago; M.A., Ph.D., Harvard. *Professor of History. Chairman, Department of History.*
- ROLLIN S. ATWOOD (1963), B.S., Chicago; M.S., Ph.D., Clark; *Professor of International Relations.*
- NATHAN A. BAILY (1946), B.S.S., College of the City of New York; M.A., Ph.D., Columbia. *Professor of Business Administration and Finance. Dean, School of Business Administration.*
- MERRITT C. BATCHELDER (1935), B.A., Hillsdale; M.A., Columbia; Ph.D., State University of Iowa. *Professor of English.*
- JOHN E. BENTLEY (1923), M.A., Clark; S.T.B., M.R.E., Boston; A.D., Th.D., McGill. *Emeritus Professor of Psychology.*
- SEYMOUR W. BEARDSLEY (1962), B.A., Yale; M.A., Ph.D., Columbia; *Professor of International Communication.*
- MARY E. BRADSHAW (1950), B.A., Chatham; M.A., Ph.D., Wisconsin. *Professor of International Relations.*
- DAVID J. BRANDENBURG (1948), B.A., Bowdoin; M.A., Ph.D., Columbia. *Professor of History.*
- FRANCIS P. BRASSOR (1958), LL.B., LL.M., B.C.S., George Washington. *Visiting Professor of Government and Public Administration.*
- RICHARD M. BRAY (1954), B.A., M.A., Colorado. *Professor of Urban Studies. Associate Dean of Faculties; Dean, Division of General and Special Studies.*
- SUMNER O. BURHOE (1956), B.S., Massachusetts; M.S., Kansas State; Ph.D., Harvard. *Professor of Biology. Chairman, Department of Biology. Acting Dean, Graduate School.*
- SAMUEL ENGLE BURR, JR., (1947), Litt. B., Rutgers; M.A., Wisconsin; M.A., Columbia; Ed.D., Cincinnati. *Professor of Education. Assistant Dean, Division of General and Special Studies. Director of Off-Campus and In-Service Education Programs. (On leave, 1963-64.)*
- ALFRED B. CHAET (1958), B.S., M.S., Massachusetts; Ph.D., Pennsylvania. *Professor of Biology.*
- CHARLES M. CLARK (1941), B.A., M.A., Ph.D., Cornell. *Professor of English. Chairman, Department of English.*
- W. WENDELL CLELAND (1958), B.A., Westminster; M.A., Princeton; Ph.D., Columbia. *Emeritus Professor of Middle Eastern Studies.*
- FRANK G. COOLSEN (1961), B.S., Northwestern; M.S., Ph.D., Illinois. *Professor of Business Administration.*
- ERNST CORRELL (1929), Dr. oec. publ., Munich. *Emeritus Professor of Economic History.*
- HAROLD E. DAVIS (1947), B.A., Hiram College; M.A., Chicago; Ph.D., Western Reserve. *Professor of Latin American Studies.*
- EARL H. DELONG (1963), B.A., M.A., Ph.D., Northwestern. *Dean, Professor of School of Government and Public Administration. Consultant to the University on Planning.*

- DONALD DERBY (1947), B.A., Bowdoin; M.A., Ph.D., Harvard. *Professor of History. Vice-President: Dean of Faculties.*
- JOHN W. DEVOR (1956), B.A., M.A., Kansas; Ph.D., Chicago. *Professor of Education. Chairman, Department of Education.*
- THOMAS W. DOUGLAS (1962), B.S., the Citadel; M.A., Vanderbilt; Ph.D., Pennsylvania. *Professor of Business Administration.*
- HAROLD A. DURFEE (1955), Ph.B., Vermont; B.D., Yale; Ph.D., Columbia. *William Frazer McDowell Professor of Philosophy. Chairman, Department of Philosophy and Religion.*
- CHESTER B. EARLE (1955), B.A., Ph.D., Texas. *Professor of Government and Public Administration.*
- ARTHUR A. EKIRCH, JR., (1947), B.A., Dartmouth; M.A., Ph.D., Columbia. *Professor of History.*
- WILLIAM Y. ELLIOTT (1963), B.A., M.A., Vanderbilt; D.Phil., Oxford; Certificate, Sorbonne; Ph.D., LL.D., Balliol. *University Professor, School of International Service.*
- MARVIN L. FAIR (1958), B.A., Ohio University; M.A., Ph.D., Ohio State. *Professor of Transportation and Director of Transportation Program.*
- HAZEL H. FEAGANS (1929), B.A., B.E., George Washington; M.A., American. *Emeritus Professor of English.*
- EDUARD FARBER (1962), Arbitur, Ober-Realschule Leipzig; Ph.D., Leipzig. *Research Professor in Chemistry.*
- JOHN W. FREY (1957), B.S., Chicago; Ph.D., Wisconsin. *Professor of Geology.*
- RALPH H. GABRIEL (1958), B.A., M.A., Ph.D., Yale; M.A., Cambridge; Litt. D., Bucknell, Williams. *University Professor of American Civilization.*
- DOROTHY D. GONDOS (1947), B.A., Swarthmore; M.A., Ph.D., Pennsylvania. *Professor of History.*
- CHARLES H. GOODMAN (1956), B.S., Wilson Teachers College; M.S., Ph.D., Pennsylvania State. *Professor of Government and Public Administration. Associate Dean, School of Government and Public Administration.*
- ROBERT E. GOOSTREE (1953), B.A., Southwestern at Memphis; M.A., Ph.D., State University of Iowa, LL.B., Washington College of Law. *Professor of Government and Public Administration.*
- ERNEST S. GRIFFITH (1957), B.A., L.H.D., Hamilton College; Litt. D., West Virginia Wesleyan College; D.Phil., Oxford. *Professor of International Relations. Dean, School of International Service.*
- CHALMER A. GROSS (1959), B.S., M.S., Illinois; Ph.D., Chicago. *Professor of Education.*
- JOSEPH E. HAMPTON (1961), B.S., Florida; M.A., Ph.D., Ohio State. *Professor of Business Administration. Director, Accounting Program.*
- MARK HARRISON (1960), B.S., Northeast Missouri State College; Ph.D., Catholic. *Professor of Physics. Chairman, Department of Physics.*
- LOWELL H. HATTERY (1948), B.A., Ohio University; Ph.D., American. *Professor of Government and Public Administration.*
- LOY W. HENDERSON (1961), A.B., LL.D., Northwestern; LL.D., Arkansas College; LL.D., Bates College; D.P.A., Southwestern; D.P.S., Denver. *Professor of International Relations. Director, Center for Diplomacy and Foreign Policy.*
- FRANCES HOLLIDAY (1959), B.S., Northwest Missouri State Teachers College; M.A., Missouri; Ed.D., George Washington. *Professor of Education.*
- HALFORD L. HOSKINS (1962), B.A., Earlham College; M.A., Ph.D., Pennsylvania. *Professor of Middle Eastern Studies.*

- HARRY N. HOWARD (1963), B.A., William Jewell College; M.A., Missouri; Ph.D., California. *Professor of Middle Eastern Studies.*
- LOUIS C. HUNTER (1937), B.A., Knox; M.A., Ph.D., Harvard. *Professor of History.*
- ANNE JENSEN (1930), B.A., Des Moines College; B.S. in L.S., Illinois. *University Librarian.*
- RALPH C. JOHN (1949), B.A., Berea; S.T.B., S.T.M., Boston University; Ph.D., American. *Professor of Philosophy and Religion. Dean, College of Arts and Sciences.*
- OLE S. JOHNSON (1960), B.A., Jamestown College; M.B.A., Northwestern; Ph.D., Pittsburgh. *Professor of Business Administration. Director, Marketing Program.*
- JEAN T. JOUGHIN (1959), B.A., M.A., Ph.D., Texas University. *Visiting Professor of History.*
- PHILIP M. KAISER (1959), B.A., Wisconsin; B.A., M.A., Oxford. *Professor of International Labor Relations. Director, Program in Overseas Industrial and Labor Relations.* (On leave, 1963-64.)
- ANDREW S. KECK (1946), B.A., Williams; M.A., M.F.A., Princeton. *Professor of Art.*
- YERVANT H. KRIKORIAN (1962), B.A., Roberts College; M.A., Ph.D., Harvard. *Visiting Professor of Philosophy and Religion.*
- CHARLES O. LERCHE, JR. (1959), A.B., Syracuse; M.A., Fletcher School of Law and Diplomacy; Ph.D., North Carolina. *Professor of International Relations.*
- MICHAEL LINDSAY (Lord Lindsay of Birker) (1959), B.A., Balliol College, Oxford; M.A., Oxford. *Professor of International Relations.*
- FRITZ KARL MANN (1936), Dr. Jur., Goettigen; Ph.D., Berlin. *Emeritus Professor of Economics.*
- LEON C. MARSHALL (1936), B.A., LL.D., Ohio Wesleyan; B.A., M.A., Harvard. *Emeritus Professor of Economics.*
- HOWE MARTYN (1961), B.A., Toronto; M.A., Oxford. *Professor of International Business; Director, International Business Program.*
- JAMES L. McLAIN (1934), B.A., George Washington; Certificate, Peabody Conservatory. *Professor of Music.*
- EMMET V. MITTLEBEELER (1954), B.A., LL.B., Louisville; M.A., Ph.D., Chicago. *Professor of Government and Public Administration.*
- HARVEY C. MOORE (1951), B.A., Delaware; Ph.D., New Mexico. *Professor of Anthropology.*
- HUGO J. MUELLER (1959), Ph.D., Hamburg. *Professor of German and Linguistics. Chairman, Department of Languages and Linguistics. Graduate Language Examiner.*
- WESTON L. MURRAY (1962), B.S., North Texas State Teachers College; M.A., Texas University; Ph.D., North Carolina. *Visiting Professor of History.*
- SIMON NAIDEL (1948), B.S., College of the City of New York; M.A., Columbia; Ph.D., American. *Professor of Economics.*
- MATTHEW F. NORTON (1958), A.B., A.M., Ph.D., Columbia. *Professor of Geology. Chairman, Department of Earth Sciences.*
- RUBERTA M. OLDS (1930), Ph.B., Chicago; M.A., Columbia. *Emeritus Associate Professor of Languages and Linguistics.*
- OLIVER A. PETERSON (1962), B.A., North Dakota. *Visiting Professor of International Labor Relations.*

- NIKOS G. PHOTIAS (1949), B.A., Athens; M.B.A., Handelshochschule, Koenigsberg; M.Sc.Pol., Ph.D., Albertus University; LL.D., Friedrich Wilhelm University. *Professor of Business Administration and Foreign Trade. Assistant Dean: Ph.D., Program, School of Business Administration.*
- ERNST POSNER (1939), Ph.D., Berlin. *Emeritus Professor of History.*
- RALPH L. POWELL (1960), B.A., California; Certificate, California College in China; Ph.D., Harvard. *Professor of Far Eastern Studies.*
- GRACE S. QUINN (1956), B.A., B.S., M.A., Ph.D., Ohio State. *Professor of Mathematics and Statistics.*
- HAROLD M. RANDALL (1959), B.A., Parsons, M.A., Georgetown; *Professor of Latin American Studies. Director, Business Executives Overseas Training Program.*
- FREDERICK A. RICE (1963), B.A., M.Sc., Dalhousie; Ph.D., Ohio State. *Professor of Chemistry.*
- EDGAR S. ROBINSON (1953), B.A., Amherst; M.A., Ph.D., Columbia. *Professor of Government and Public Administration.*
- DANIEL D. ROMAN (1963), B.S., M.A., Ph.D., Southern California. *Professor of Government and Public Relations. Director, Research Administration and Production Management Program.*
- HAROLD H. ROTH (1946), B.A., College of the City of New York; M.A., Columbia; M.A., Ph.D., American. *Professor of Government and Public Administration.*
- DURWARD V. SANDIFER (1960), B.A., Eureka College; M.A., LL.B., Ph.D., Columbia. *Professor of International Relations.*
- STEVEN S. SCHOT (1957), B.S., American; M.A., Ph.D., Maryland. *Professor of Mathematics and Statistics. Chairman, Department of Mathematics. (On leave, 1963-64.)*
- LEO SCHUBERT (1950), B.S., College of the City of New York; M.S., New York; Ph.D., Maryland. *Professor of Chemistry. Chairman, Department of Chemistry.*
- JOHN C. SCOTT, JR. (1957), B.S., Springfield College; M.A., Ph.D., Chicago. *Professor of Sociology.*
- SAMUEL L. SHARP (1950), LL.M., J.D., Warsaw. *Professor of Soviet Studies.*
- WALTER F. SHENTON (1925), B.S., M.A., Dickinson; Ph.D., Johns Hopkins. *Emeritus Professor of Mathematics.*
- BANCROFT W. SITTERLY (1947), B.A., M.A., Ph.D., Princeton. *Professor of Physics.*
- GORDON H. SMITH (1947), B.M., B.Sch.Mus., College of Wooster; M.A., Mills College; Ph.D., Iowa State. *Professor of Music. Chairman, Department of Music. (On leave, 1963-64.)*
- JOHN H. SMITH (1947), B.A., Iowa State Teachers; M.B.A., Ph.D., Chicago. *Professor of Statistics.*
- F. COWLES STRICKLAND (1962), B.A., Wesleyan; M.A., Northwestern; Certificate of Accomplishment, Yale; *Professor of Speech Arts.*
- BEN L. SUMMERFORD (1950), B.A., American; Ecole Nationale Supérieure de Beaux Arts; M.A., American. *Professor of Art. Chairman, Department of Fine and Applied Arts.*
- FRANK M. TAMAGNA (1958), Ph.D., Yale; LL.D., Pavia. *Professor of Economics.*
- AMOS E. TAYLOR (1937), B.A., Gettysburg; M.A., Chicago; Ph.D., Pennsylvania. *Professor of Economics.*
- MARY LOUISE BROWN TEETER (1925), B.A., DePauw; M.A., Michigan. *Emeritus Professor of English.*

- SSU-YU TENG (1963), B.A., M.A., Yenching; Ph.D., Harvard. Visiting Professor of Far Eastern Studies.
- CHARLES K. TRUEBLOOD (1949), B.S., Earlham; B.S., Haverford; M.A., Ph.D., Harvard. Emeritus Professor of Psychology.
- AUSTIN VAN DER SLICE (1946), B.A., M.A., Kansas; Ph.D., Pennsylvania. Professor of Sociology. Chairman, Department of Sociology and Anthropology.
- RICHARD W. VAN WAGENEN (1957), B.A., Stanford; M.S. in P.A., Syracuse; Ph.D., Stanford. Professor of International Organization. Dean, Graduate School. (On leave, 1963-64.)
- RUDOLPH VON ABELE (1947), B.A., Ph.D., Columbia. Professor of English. (On leave, Fall 1963.)
- ELLIS WEITZMAN (1946), B.A., Emory; M.A., Creighton; Ph.D., Nebraska. Professor of Psychology. Chairman, Department of Psychology.
- HAROLD B. WESS (1953), B.S., College of the City of New York. Professor of Business Administration and Marketing.
- DONALD M. WILLIAMS (1960), B.S., M.S., Kansas State College; Ph.D., Iowa. Professor of Speech Arts.
- JACK H. YOCUM (1954), B.A., Washburn Municipal University; M.A., Iowa; Ph.D., Wisconsin. Professor of Speech Arts. Chairman, Department of Speech Arts.
- LOUISE YOUNG (1954), B.A., Ohio Wesleyan; M.A., Ph.D., Pennsylvania. Professor of English.

### Full-Time Graduate School Faculty: Associate Professors

- E. ROBERT ADKINS (1961), A.B., Ph.D., Columbia. Associate Professor of Education.
- DANIEL M. BERMAN (1961), B.A., Rutgers; M.A., Wisconsin; Ph.D., Rutgers. Associate Professor of Government and Public Administration. Academic Director, Washington Semester Program.
- W. DONALD BOWLES (1957), B.A., University of Washington; M.A., Ph.D., Columbia. Associate Professor of Economics. Chairman, Department of Economics.
- EDWARD J. BREYERE (1961), B.S., M.S., Ph.D., Maryland. Associate Research Professor in Biology.
- FREDERIC S. BURIN (1959), B.S.S.S., College of the City of New York; A.M., Syracuse; Ph.D., Columbia. Associate Professor of Government and Public Administration. (On leave, 1963-64).
- H. D. CRAWFORD (1946), B.A., Hillsdale College. Associate Professor of Journalism and Public Relations.
- JOHN J. FINAN (1961), B.A., M.A., Washington University; Ph.D., Harvard. Associate Professor of Latin American Studies.
- EDITH H. GROTBORG (1963), B.A., Northwestern; M.A., Chicago; Ph.D., Northwestern. Associate Professor in Education.
- ROYCE HANSON (1957), B.A., Central State College, Oklahoma; M.A., Ph.D., American; Associate Professor of Government and Public Administration.
- EVELYN SWARTHOUT HAYES (1951), B.M., Kansas University. Associate Professor of Music.
- CHARLES H. HEIMSATH (1959), B.A., Yale; M.I.A., Columbia; Ph.D., Yale. Associate Professor of South Asian Studies.

- ROBERT M. HENDERSON (1960), B.A., Michigan State; M.F.A., Carnegie Tech. *Associate Professor of Speech Arts. Director of the Theatre.*
- RAY E. HIEBERT (1958), B.A., Stanford; M.S., Columbia; M.A., Ph.D., Maryland. *Associate Professor of Journalism and Public Relations. Chairman, Department of Journalism and Public Relations.*
- S. WHITTLE JOHNSTON (1959), B.A., Chicago; B.A., Swarthmore; Ph.D., Harvard. *Associate Professor of International Relations.*
- PAUL D. LEEDY (1961), B.A., Dickinson; M.A., Pennsylvania; Ph.D., New York. *Associate Professor of Education.*
- BERNARD MILLER (1959), B.S., M.S., Virginia Polytechnic Institute; Ph.D., McGill. *Associate Professor of Chemistry.*
- ALFRED D. MOTT (1958), B.A., M.A., Missouri; Ph.D., California. *Associate Professor of History.*
- WALTER F. MUHLBACH (1957), Ph.B., Chicago; M.A., Ohio State. *Associate Professor of Business Administration.*
- FRED H. NOTHMAN (1960), B.S., College of the City of New York; Ph.D., Indiana. *Associate Professor of Psychology.*
- JAMES OWENS (1961), B.A., M.A., Loyola College; Ph.D., Georgetown. *Associate Professor of Business Administration. Acting Director, MBA Program.*
- MARY M. PATTON (1943), B.A., Kalamazoo; B.A., Columbia. *Associate Professor of English.*
- NATHANIEL S. PRESTON (1961), A.B., Boston University; M.A., Pennsylvania; Ph.D., Princeton. *Associate Professor of Government and Public Administration.*
- DARRELL D. RANDALL (1962), B.A., Nebraska Wesleyan; M.A., Nebraska University; M.A., Columbia; Ph.D., Chicago. *Associate Professor of African Studies.*
- THEODORE R. ROSCHÉ (1960), B.A., Park College; B.D., Union Theological Seminary; Ph.D., Columbia. *Associate Professor of Philosophy and Religion.*
- ELSPETH ROSTOW (1961), B.A., Barnard College; M.A., Radcliffe College. *Associate Professor of American Civilization.*
- MARTHA B. SAGER (1955), B.S., M.S., Maryland; Ph.D., Catholic. *Associate Professor of Biology.*
- ABDUL AZIZ SAID (1956), B.S.S.S., M.A., Ph.D., American. *Associate Professor of International Relations.*
- S. FREDERICK SEYMOUR (1959), B.A., Union College; M.A., Stanford; Ph.D., Chicago. *Associate Professor of Sociology.*
- ROGER T. SIMONDS (1958), B.A., M.A., Ph.D., Yale. *Associate Professor of Philosophy.*
- MARGUERITE C. SUAREZ-MURIAS (1961), B.A., Bryn Mawr; M.A., Ph.D., Columbia. *Associate Professor of Spanish.*
- JAMES S. SWINEHART (1961), Ph.D., New York. *Associate Professor of Chemistry.*
- LOIS E. TORRENCE (1953), B.A., Kansas Wesleyan; M.A., Southern Methodist; Ph.D., American. *Associate Professor of Government and Public Administration.*
- LLOYD ULTAN (1962), B.S., New York; M.A., Columbia; Ph.D., State University of Iowa. *Associate Professor of Music. Chairman, Department of Music.*
- LAWRENCE W. WADSWORTH, JR. (1948), B.S., Centenary College; M.A., Tulane; Ph.D., American. *Associate Professor of International Relations.*
- MILLIDGE P. WALKER (1960), A.B., Williams College; M.A., Ph.D., California. *Associate Professor of Southeast Asian Studies.*
- RICHARD V. WATERHOUSE (1963), B.A., M.A., Magdalen College, Oxford; Ph.D., Catholic. *Associate Research Professor in Physics.*

- HARRY J. WHEATON (1959), B.A., Washington University; M.B.A., American. *Associate Professor of Business Administration.*
- RALPH WHITFIELD (1961), B.A., Atlantic Christian College; M.A., North Carolina; Ed.D., Maryland. *Associate Professor of Education.*
- HAROLD WOLOZIN (1962), B.S., Tufts; Ph.D., Columbia. *Associate Professor of Economics.*
- TAKEHIKO YOSHIHASHI (1959), B.A., California at Los Angeles; M.A., Harvard; Ph.D., Yale. *Associate Professor of Far Eastern Studies. Assistant Dean, School of International Service.*

### **Full-Time Faculty: Assistant Professors**

- ANNE BAKER BRAUN (1963), A.B., A.M., Boston; Ph.D., New Hampshire. *Assistant Professor of Chemistry.*
- EDWARD I. BURKHART (1962), B.S., M.S., Georgetown. *Assistant Professor of Linguistics.*
- PAUL R. CURTIS (1960), B.A., Wooster; M.S., Ohio State. *Assistant Professor of Biology.*
- CHARLES M. DAVIS (1962), B.A., M.S., Ph.D., Catholic. *Assistant Professor of Physics.*
- WILLIAM M. HARRISON (1962), B.A., University of California. *Assistant Professor of Anthropology.*
- WILLIAM HASKETT (1960), B.A., University of Nottingham; M.A., Ph.D., University of California at Los Angeles. *Assistant Professor of History.*
- KLAUS J. HERRMANN (1963), B.A., M.A., Ph.D., Minnesota. *Assistant Professor of Government and Public Administration.*
- MARY ANNE G. HOOD (1957), B.A., M.A., Michigan State. *Assistant Professor of English.*
- JACEK JARZYNSKI (1963), B.Sc., Ph.D., Imperial College. *Assistant Professor of Physics.*
- IRVING KATZ (1961), B.S., Brooklyn College; M.A., Ohio State; *Assistant Professor of Mathematics.*
- FAYE L. KELLY (1962), B.A., M.A., Ph.D., University of Florida. *Assistant Professor of English.*
- BASIL P. KORIN (1961), B.A., University of Connecticut; M.S., Stanford. *Assistant Professor of Statistics.*
- HARRY LEE (1963), *Assistant Professor of Journalism and Public Relations.*
- ROBERT C. LESTER (1962), B.A., Montana State; B.D., Yale Divinity School; M.A., Ph.D., Yale Graduate School. *Assistant Professor of Philosophy and Religion.*
- LOUIS S. LOEB (1958), B.A., Earlham College; M.A., American. *Assistant Professor of Government and Public Administration.*
- JEANNE MASENGILL (1960), B.A., Agnes Scott; M.A., Pennsylvania. *Assistant Professor of English.*
- CHARLES C. McLAUGHLIN (1963), B.A., Yale; M.A., Ph.D., Harvard. *Assistant Professor of American Civilization.*
- MARTIN MEADOWS (1961), B.A., M.A., Oregon; Ph.D., Maryland. *Assistant Professor of Government and Public Relations.*
- VADIM MEDISH (1963), B.A., Pennsylvania; M.A., Ph.D., American. *Assistant Professor of Russian.*
- DENNIS D. MILLER (1962), B.S., Goshen College; M.Ed., Kent State. *Assistant Professor of Education.*

- MICHAEL H. MOERMAN (1962), B.A., Columbia College; Ph.D., Yale. *Assistant Professor of South Asian Studies.*
- KARLEN MOORADIAN (1963), B.S., M.S., Ph.D., Northwestern. *Assistant Professor of Journalism and Public Relations.*
- ALAN D. MORRIS (1961), B.E., Dr.Eng., Johns Hopkins. *Assistant Professor of Physics.*
- HENRY M. NOEL (1963), Certificate, Universitie Nacionale de Panama; M.A., Pennsylvania; Docteur, Universite de Montpellier. *Assistant Professor of French.*
- MORRIS S. PETERSEN (1962), B.S., M.S., Brigham Young; Ph.D., State University of Iowa. *Assistant Professor of Earth Sciences.*
- F. JACKSON PIOTROW (1963), B.A., Haverford College; B.A., M.A., Ph.D., Christ Church, Oxford. *Assistant Professor of Government and Public Administration.*
- JEROME B. POLISKY (1961), B.S., M.S., Wisconsin. *Assistant Professor of Speech Arts.*
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# INDEX

<b>A</b> cademic Requirements .....	26, 30
Accreditation .....	10
<b>A</b> dministration .....	8
Admission	
Doctor's Degree .....	29
Master's Degree .....	26
Advancement to Candidacy	
Doctor's Degree .....	31
Master's Degree .....	27
Area Studies .....	15
Assistantships .....	20
Awards, Honor .....	19
Awards,	
Graduate Recipients, 1963-1964 .....	22
Awards,	
Graduate Recipients, 1962-1963 .....	23
 <b>B</b> usiness Administration, School of .....	35
 <b>C</b> alendar .....	3
Changes in Degree Programs .....	18
College of Arts and Sciences .....	34
Completion of Degree Requirements .....	34
Comprehensive Examinations	
Doctor's Degree .....	32
Master's Degree .....	28
Corporation, The .....	45
Course Requirements	
Doctor's Degree .....	30
Master's Degree .....	26
 <b>D</b> egree Programs .....	15
Master's	
Doctor's	
Area Studies	
Interdepartmental	
Dissertation, Doctoral .....	33
Doctor's Degree Requirements .....	30
 <b>F</b> aculty .....	37
Fellowships .....	19
Financial Assistance .....	19, 21
Foreign Students .....	19
 <b>G</b> eneral Information .....	10
Government and Public Administration,	
School of .....	35
Graduate Education in Washington .....	12
 <b>H</b> ousing .....	19
 <b>I</b> ndividual Research .....	17
In-service Project .....	17
Institutes .....	17
Interdepartmental Science Program .....	16
Interdisciplinary Study .....	16
International Service, School of .....	35
Intra-University Programs .....	35
 <b>L</b> oans .....	21
 <b>M</b> aster's Degree Requirements .....	26
 <b>N</b> on-Degree Study .....	16
 <b>O</b> ral Examinations .....	33
 <b>P</b> art-time Study .....	18
Philosophy of Graduate Work .....	11
Public Administration, School of Government and .....	35
 <b>R</b> eading Courses .....	17
Registration .....	10
Residence Requirements	
Doctor's Degree .....	30
Master's Degree .....	26
 <b>S</b> cience Program, Interdepartmental .....	16
Scholarships .....	19
Students, Geographical Distribution .....	13
Summer Program .....	18
 <b>T</b> heses, Master's Degree .....	29
Tools of Research	
Doctor's Degree .....	31
Master's Degree .....	28
Trustees .....	45







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